



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U. S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	12/17/2009	EPA Reg. No./File Symbol	1021-	Page	1	of	10
Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461					
Ingredient		Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
830.1550	Chemical Identity	40175001	1021	Own			
		40700401	1021	Own			
		41029601	1021	Own			
		44245101	1021	Own			
		40700401	58223	Own			
830.1650	Begin. Mat. & Mnfg. Proc.	149079	1021	Own			
		156652	1021	Own			
		41193901	1021	Own			
		44245101	1021	Own			
		41365501	1021	Own			
830.1670	Discussion of Impurities	40836301	1021	Own			
		41193901	1021	Own			
		44245101	1021	Own			
		41365501	1021	Own			
830.1700	Preliminary Analysis	40836302	1021	Own			
		41193901	1021	Own			
		41194501	1021	Own			
		44245101	1021	Own			
		41365501	1021	Own			
830.1750	Certification of Limits	40836302	1021	Own			
		41193901	1021	Own			
		41194501	1021	Own			
		44245101	1021	Own			
		41365501	1021	Own			
830.1800	Analytical Method	40836302	1021	Own			
		41193901	1021	Own			
		44245101	1021	Own			
		41365501	1021	Own			
Signature		Name and Title		Date			
		Thomas A. Lennan Registration Specialist		12/17/2009			



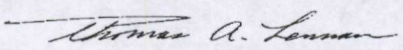
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Ingredient Pyrethrin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status Note
830.6302	Color	41193901	1021	Own
		40836303	1021	Own
830.6303	Physical State	41193901	1021	Own
		40836303	1021	Own
830.6304	Odor	41193901	1021	Own
		40836303	1021	Own
830.7200	Melting Point	41193901	1021	Own
		40836303	1021	Own
830.7220	Boiling Point	42103901	1021	Own
		41193901	1021	Own
		40836303	1021	Own
830.7300	Density	41193901	1021	Own
		40836303	1021	Own
		42103901	1021	Own
830.7840	Solubility	41193901	1021	Own
		40836303	1021	Own
830.7950	Vapor Pressure	41193901	1021	Own
		40836303	1021	Own
830.7370	Dissociation Constant	41193901	1021	Own
830.7570	Oct/Water Partition Coef.	41193901	1021	Own
		40836303	1021	Own
830.7000	pH	41193901	1021	Own
		40836303	1021	Own
830.6313	Stability	41193901	1021	Own
		40836303	1021	Own
		42103901	1021	Own
Signature 		Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009

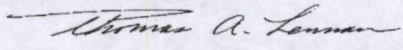


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Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6314	Oxidizing/Reduction Action	41193901	1021	Own	
		40836303	1021	Own	
830.6315	Flammability	41193901	1021	Own	
		40836303	1021	Own	
830.6316	Explosibility	41193901	1021	Own	
830.6317	Storage Stability	41193901	1021	Own	
		40836303	1021	Own	
830.7100	Viscosity	41193901	1021	Own	
		40836303	1021	Own	
830.6319	Miscibility	41193901	1021	Own	
		40836303	1021	Own	
830.6320	Corrosion Characteristics	41193901	1021	Own	
		40836303	1021	Own	
830.6321	Dielectric Breakdown Volt	41193901	1021	Own	
		40836303	1021	Own	
850.2100	Acute Avian Oral Quail/Duck	42010901	58223	Own	
850.2200	Acute Avian Diet. Quail	41968801	58223	Own	
850.2200	Acute Avian Diet. Duck	41968802	58223	Own	
850.1075	Fish Toxicity Bluegill	43082301	58223	Own	
850.1075	Fish Toxicity Bluegill TEP	43082302	58223	Own	
850.1075	Fish Toxicity Rainbow	43082303	58223	Own	
850.1075	Fish Toxicity Rainbow TEP	43082304	58223	Own	
850.1010	Invertebrate Toxicity	43082305	58223	Own	
850.1010	Invertebrate Toxicity TEP	43082306	58223	Own	
850.1075	Estu/Mari Tox. Fish	43082307	58223	Own	
850.1025	Estu/Mari Tox. Mollusk	43082309	58223	Own	
Signature 			Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009



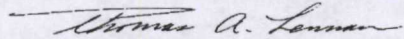
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Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	Estu/Mari Tox. Shrimp	43082311	58223	Own	
850.1075	Estu/Mari Tox. Fish TEP	43082308	58223	Own	
850.1025	Estu/Mari Tox. Mollusk TEP	43082310	58223	Own	
850.1035	Estu/Mari Tox. Shrimp TEP	43082312	58223	Own	
850.1400	Early Life Stage Fish	43252701	58223	Own	
850.1350	Life Cycle Invertebrate	43311301	58223	Own	
		43252702	58223	Own	
870.1100	Acute Oral Tox. Rat	42599501	58223	Own	
		42008101	58223	Own	
870.1200	Acute Dermal Tox. Rabbit	41964801	58223	Own	
870.1300	Acute Inhal. Tox. Rat	42008001	58223	Own	
870.2400	Primary Eye Irritation	41964802	58223	Own	
870.2500	Primary Dermal Irritation	41964803	58223	Own	
870.2600	Dermal Sensitization	41964804	58223	Own	
870.6200	Acute Neurotox. St	42925801	58223	Own	
		42930401	58223	Own	
870.3200	21-Day Dermal Rabbit	42212601	58223	Own	
870.3465	90-Day Inhal. Rat	42478201	58223	Own	
Signature 			Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009

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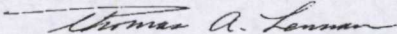
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Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461			
Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4100A	Chronic Tox-Rodent	41559501	58223	Own	
		43811301	58223	Own	
		43567701	58223	Own	
870.4100B	Chronic Tox-Nonrodent	41496501	58223	Own	
870.4100A	Oncogenicity - Rat	43811301	58223	Own	
		43567701	58223	Own	
		41559501	58223	Own	
870.4200B	Ocogenicity - Mouse	43889701	58223	Own	
		43585201	58223	Own	
		43567702	58223	Own	
		41559401	58223	Own	
870.3700A	Teratogenicity - Rat	40288202	58223	Own	
870.3700B	Teratogenicity - Rabbit	40603702	58223	Own	
		40288203	58223	Own	
870.3800	2-Generation Repro.	41327501	58223	Own	
870.5265	Gene Mutation-Ames	41344701	58223	Own	
		41344601	58223	Own	
		41344501	58223	Own	
870.5375	Struct. Chrom. Aberrat	43987001	58223	Own	
		41344601	58223	Own	
		41344501	58223	Own	
		41344701	58223	Own	
870.5550	Unscheduled DNA	41344501	58223	Own	
Signature 			Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009



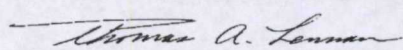
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Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.7485	General Metabolism	43566301	58223	Own	
		43554304	58223	Own	
		43554305	58223	Own	
		42846901	58223	Own	
		41248801	58223	Own	
		43884101	58223	Own	
850.3020	Honey Bee Acute Contact	41968803	58223	Own	
835.2120	Hydrolysis	43567501	58223	Own	
		43188201	58223	Own	
		43567601	58223	Own	
835.2240	Photodegradation-Water	43567502	58223	Own	
		43096601	58223	Own	
835.2410	Photodegradation-Soil	43096602	58223	Own	
		43567601	58223	Own	
835.4100	Aerobic Soil Metabolism	43499803	58223	Own	
835.4400	Anaerobic Aquatic Meta	43499801	58223	Own	
835.4300	Aerobic Aquatic Metab.	43499802	58223	Own	
835.1240	Leach/Adsorp/Desorption	43096603	58223	Own	
835.1410	Volatility-Lab	43096604	58223	Own	
Signature 			Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009



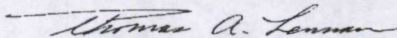
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Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461			
Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.6100	Terrestrial Field Dissipation	43807101	58223	Own	
		43785801	58223	Own	
835.6200	Aquatic Field Dissipation	43818501	58223	Own	
850.1730	Bioaccumulation in Fish	43302301	58223	Own	
		43884102	58223	Own	
860.1100	Chemical Identity	40700401	58223	Own	
860.1200	Directions for Use	41193901	58223	Own	
860.1300	Nature of Residue-Plant	43668001	58223	Own	
		43628401	58223	Own	
		43628402	58223	Own	
		43554301	58223	Own	
		43554302	58223	Own	
		43554303	58223	Own	
860.1300	Nature of Residue-Livestock	43628301	58223	Own	
		43628302	58223	Own	
Signature 			Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009



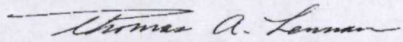
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Ingredient Pyrethrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1400	Mag. Of Res. Potable H	43195201	58223	Own	
860.1460	Mag. Of Res. Food Hand	41998201	58223	Own	
		41998202	58223	Own	
		41998203	58223	Own	
		41998204	58223	Own	
		41998205	58223	Own	
		42009801	58223	Own	
		42009802	58223	Own	
		42009803	58223	Own	
		42009804	58223	Own	
		42009805	58223	Own	
860.1480	Mag. Meat/Milk/Poultry	43833401	58223	Own	
		43833402	58223	Own	
		43833403	58223	Own	
860.1500	Beans, Dried	43470806	58223	Own	
		44249301	1021	Own	
	Beets, Sugar	43470805	58223	Own	
	Blackberry	43370801	58223	Own	
	Blueberry	43370801	58223	Own	
	Broccoli	43292701	58223	Own	
	Cabbage	43292701	58223	Own	
	Carrot	43470805	58223	Own	
	Celery	43232801	58223	Own	
Signature 		Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009	



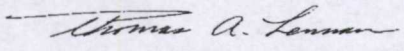
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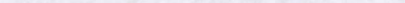
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Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461			
Ingredient	Pyrethrin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500	Cranberry	43370801	58223	Own	
	Cucumber	43248701	58223	Own	
	Grapefruit	43440002	58223	Own	
	Grapes	43370801	58223	Own	
	Lemon	43440002	58223	Own	
	Lettuce, Head	43232801	58223	Own	
	Lettuce, Leaf	44249301	1021	Own	
	Melons, Cantaloupe	43248701	58223	Own	
	Mustard (greens)	43292701	58223	Own	
	Orange	43440002	58223	Own	
	Pasturegrass	44249301	1021	Own	
	Peas, Dried	43470806	58223	Own	
	Peas, Succulent	43470806	58223	Own	
	Peppers (bell/chili/sweet)	43298901	58223	Own	
	Potato	43470805	58223	Own	
	Radish	43470805	58223	Own	
	Rice	44249301	1021	Own	
	Sorghum	44249301	1021	Own	
	Spinach	43232801	58223	Own	
	Squash (summer)	43248701	58223	Own	
	Strawberry	43370801	58223	Own	
	Tomato	43298901	58223	Own	
	Tree Fruits & Nuts	44249301	1021	Own	
	Turnips	44249301	1021	Own	
Signature 		Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009	

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McLaughlin Gormley King Company				
8810 Tenth Avenue North		MGK® 29461		
Minneapolis, MN 55427				

[illegible]

Signature		Name and Title Thomas A. Lennan Registration Specialist	Date 12/17/2009
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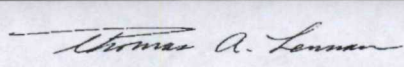
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Ingredient		Pyrethrin					
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Ingredient Pyrethrin				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status Note
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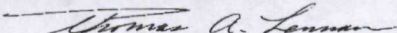
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

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DATA MATRIX

Date	12/17/2009	EPA Reg. No./File Symbol	1021	Page	3	of	10
Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461					
Ingredient Pyrethrin							
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
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				Signature 			Name and Title Thomas A. Lennan Registration Specialist

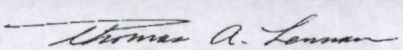


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Ingredient Pyrethrin					
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Signature 		Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009	



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Applicant's/Registrant's Name & Address McLaughlin Gormley King Company 8810 Tenth Avenue North Minneapolis, MN 55427		Product MGK® 29461						
Ingredient Pyrethrin								
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				Signature	Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009	



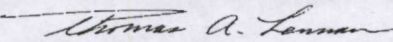
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				Signature	Name and Title Thomas A. Lennan Registration Specialist		Date 12/17/2009			

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DATA MATRIX

Date	12/17/2009
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EPA Reg. No./File Symbol	Chemical Name	Trade Name	Formulation	Concentration	Application Rate	Preharvest Interval (PHI)	Restrictions

1021-

Page 10 of 10

Applicant's/Registrant's Name & Address

Product	Price	Quantity	Total
Product A	10	100	1000
Product B	20	50	1000
Product C	30	33.33	1000
Product D	40	25	1000
Product E	50	20	1000
Product F	60	16.67	1000
Product G	70	14.29	1000
Product H	80	12.5	1000
Product I	90	11.11	1000
Product J	100	10	1000

McLaughlin Gormley King Company

8810 Tenth Avenue North

Minneapolis, MN 55427

MGK® 29461

Ingredient	Amount
1. Flour	2 cups
2. Sugar	1 cup
3. Butter	1/2 cup
4. Eggs	2
5. Vanilla	1 tsp
6. Baking powder	1 tsp
7. Salt	1/4 tsp
8. Milk	1/2 cup
9. Apples	2
10. Cinnamon	1 tsp
11. Nutmeg	1/4 tsp
12. Raisins	1/2 cup
13. Walnuts	1/2 cup
14. Pecans	1/2 cup
15. Almonds	1/2 cup
16. Cashews	1/2 cup
17. Pistachios	1/2 cup
18. Macadamia nuts	1/2 cup
19. Brazil nuts	1/2 cup
20. Pine nuts	1/2 cup
21. Sunflower seeds	1/2 cup
22. Pumpkin seeds	1/2 cup
23. Flax seeds	1/2 cup
24. Chia seeds	1/2 cup
25. Hemp seeds	1/2 cup
26. Sesame seeds	1/2 cup
27. Poppy seeds	1/2 cup
28. Cardamom	1/2 tsp
29. Cloves	1/2 tsp
30. Allspice	1/2 tsp
31. Ginger	1/2 tsp
32. Turmeric	1/2 tsp
33. Black pepper	1/2 tsp
34. Red pepper	1/2 tsp
35. Green pepper	1/2 tsp
36. Yellow pepper	1/2 tsp
37. White pepper	1/2 tsp
38. Brown pepper	1/2 tsp
39. Pink pepper	1/2 tsp
40. Purple pepper	1/2 tsp
41. Orange pepper	1/2 tsp
42. Lemon pepper	1/2 tsp
43. Lime pepper	1/2 tsp
44. Apple cider vinegar	1/2 cup
45. White vinegar	1/2 cup
46. Red wine vinegar	1/2 cup
47. Balsamic vinegar	1/2 cup
48. Rice vinegar	1/2 cup
49. Apple juice	1/2 cup
50. Orange juice	1/2 cup
51. Lemon juice	1/2 cup
52. Lime juice	1/2 cup
53. White wine	1/2 cup
54. Red wine	1/2 cup
55. Beer	1/2 cup
56. Soda water	1/2 cup
57. Sparkling water	1/2 cup
58. Mineral water	1/2 cup
59. Tap water	1/2 cup
60. Distilled water	1/2 cup
61. Spring water	1/2 cup
62. Bottled water	1/2 cup
63. Filtered water	1/2 cup
64. Reverse osmosis water	1/2 cup
65. Deionized water	1/2 cup
66. Purified water	1/2 cup
67. Softened water	1/2 cup
68. Hardened water	1/2 cup
69. Mineralized water	1/2 cup
70. Enriched water	1/2 cup
71. Fortified water	1/2 cup
72. Flavored water	1/2 cup
73. Sparkling juice	1/2 cup
74. Fruit juice	1/2 cup
75. Vegetable juice	1/2 cup
76. Protein shake	1/2 cup
77. Smoothie	1/2 cup
78. Yogurt	1/2 cup
79. Ice cream	1/2 cup
80. Gelato	1/2 cup
81. Sorbet	1/2 cup
82. Sherbet	1/2 cup
83. Popsicle	1/2 cup
84. Ice cube	1/2 cup
85. Snowflake	1/2 cup
86. Frosting	1/2 cup
87. Buttercream	1/2 cup
88. Whipped cream	1/2 cup
89. Meringue	1/2 cup
90. Macaron	1/2 cup
91. Biscuit	1/2 cup
92. Cookie	1/2 cup
93. Cracker	1/2 cup
94. Bread	1/2 cup
95. Pasta	1/2 cup
96. Noodle	1/2 cup
97. Dumpling	1/2 cup
98. Pie	1/2 cup
99. Pastry	1/2 cup
100. Cake	1/2 cup

Pyrethrin

Guideline Reference Number	Guideline Study Name
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MRID Number

Submitter

Status	
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Note

Own

Own

Own

Own

Own

Own

Own

Own

Signature _____

Thomas A. Lennan

Name and Title

Thomas A. Lennan
Registration Specialist

Date

12/17/2009